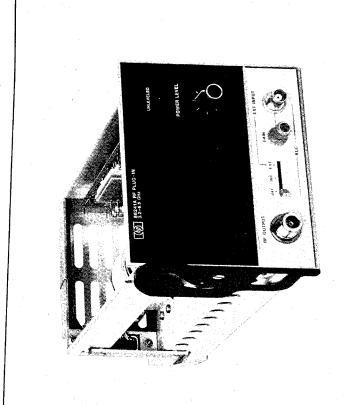
Models 86230A, 86230B, 86241A



3.2 · 6.5 GHz 300 --8



Model 86241A and scales are shown, however, Model 86230A and 86230B are similar in appearance with the NOTE: See ACCESSORIES SUPPLIED in Section I for part number information.

Figure 1-1. RF Plug-in and Accessories Supplied

GENERAL INFORMATION SECTION I

1-1. INTRODUCTION

86230A, 86230B, and 86241A RF Plug-ins. (See 1-2. This Operating and Service manual contains just, and service the Hewlett-Packard Models Figure 1-1.) Throughout this manual, information about the plug-ins that is different will be either noted or separated by a slanted line (/). For example, 10 Vdc/12 Vdc indicates 10 Vdc for the information required to install, operate, test, ad-86230 and 12 Vdc for 86241.

1-3. This section covers instrument identification, description, options, accessories, specifications, and other basic information.

includes the latest Manual Changes supplement as 1-4. On the title page of this manual, below the manual part number, is a "Microfiche" part number. This number may be used to order 4 x 6-inch microfilm transparencies of the manual. Each microfiche contains up to 60 photo-duplicates of the manual pages. The microfiche package also well as all pertinent Service Notes. 1-5. Instrument specifications are listed in Table 1-1. These specifications are the performance standards, or limits, against which the instrument may be tested. Table 1-2 lists supplemental characteristics. Supplemental characteristics are not specifications, but are typical characteristics included as additional information for the user.

1-6. INSTRUMENTS COVERED BY MANUAL

serial number prefix. The last five digits form the The first four digits and the letter comprise the sequential suffix that is unique to each instrument. The contents of this manual apply directly to instruments having the same serial number prefix as listed under SERIAL NUMBERS on the title 1-7. Each instrument has a two-part serial number.

from those documented in this manual. The ing of this manual may have a serial prefix that is 1-8. An instrument manufactured after the printnot listed on the title page. This unlisted serial prefix indicates that the instrument is different

manual for this instrument is supplied with a yellow Manual Changes supplement that contains 'change information" that documents the differ-

ences.

1-9. In addition to change information, the supplement may contain information for correcting errors in the manual. To keep this manual as recommends that you periodically request the latest Manual Changes supplement. The supplement for this manual is keyed to this manual's current and accurate as possible, Hewlett-Packard print date and part number, both of which appear on the title page. Complimentary copies of the supplement are available from Hewlett-Packard. 1-10. For information concerning a serial number prefix not listed on the title page or in the Manual Changes supplement, contact your nearest Hewlett-Packard office.

1-11. DESCRIPTION

the HP Model 8620A or 8620B Sweep Oscillator oscillator in their respective RF ranges and the associated drive circuitry for tuning. Refer to Table 1-12. The 86230A and 86241A are plug-ins for mainframe. The plug-ins consist of a fundamental 1-2 and Table 1-3 for complete plug-in specifica-

tions and characteristics.

pling and feedback technique. The automatic level control (ALC) switch selects the mode of leveling connectors on the rear panel allow for external FM 1-13. The RF output of the instrument is con-Power can be leveled, externally or internally, across the band using a conventional power sameither external (EXT), internal (INT), or (OFF). A front panel ALC input connector and gain control are provided to use with an external leveling loop. When the UNLEVELED light is on it indicates that the RF power is not level across the band. BNC signal inputs and a sweep reference voltage output. trolled by the front panel POWER LEVEL control.

1-14. OPTIONS

ating in the internal power leveling mode by adding 1-15. Option 001 provides the capability of oper1

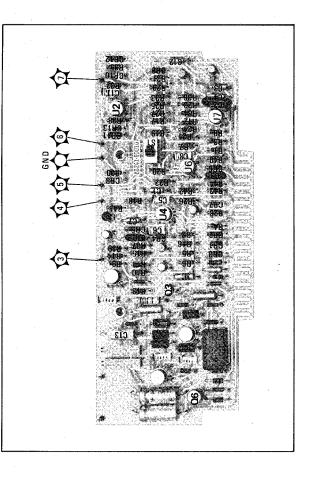
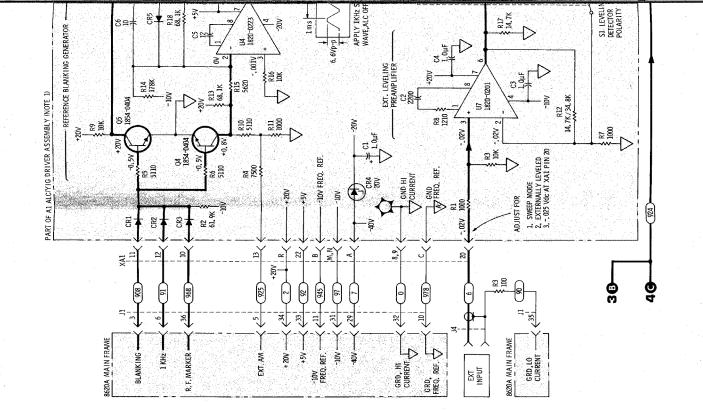


Figure 8-22. Location of Test Points and Parts on Service Sheet 1 of A1 ALC/YIG Driver Assembly



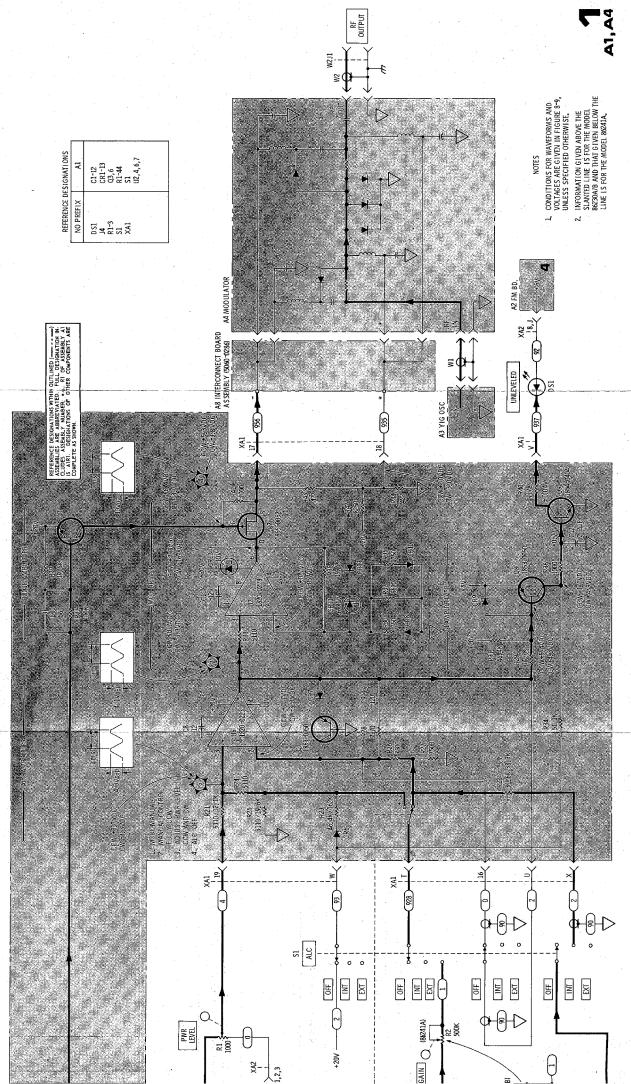


Figure 8-23. A1 ALC/YIG Driver Assy, Schematic, Part 1